

ERRATA for Astrophysics, Decoding the Cosmos FIRST Edition

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p. 54. Example 2.3. Beside the question of part (d), add the condition: *Assume that the beam response is uniform over its solid angle for this question.*

p. 84. Par. 1, line 7, “Roman numeral minus” should read “Roman numeral plus”

p. 85. Eq. 3.9 should read

$$\langle v \rangle = \sqrt{8kT/\pi m}$$

p. 106. The second equation of Eqs. 3.31 should read

$$B = M_B + 5 \log(d) + A_B - 5 \quad (\text{star})$$

p. 170. Example 5.4, 3rd line from the bottom, the reference should be to Eq. 3.21 (*not* Eq. 3.2.1).

p. 193. Half-way down, the name, *Kirchhoff*, has been misspelled.

p. 251. Caption to Figure 8.8. Line two should read, greyscale (*not* grescale).

p. 267. Caption to Figure 8.14, line two. There should be a Γ between the two commas.

p. 281. Footnote 2, line 1, the word should be inertia (*not* intertia).

p. 291. Sect. 9.3.1, par. 1, 4th line from bottom, the word should be remnant (*not* remmant).

p. 309. Line 3 should read “We can now put Eq. (9.23) into Eq. (9.21)...”

p. 376. Last par. 5th line from bottom, the reference should be to Prob. 5.12 (*not* Prob. 5.1.2).

p. 378. Caption to Figure F.1, three instances should read Δt (*not* Dt).

p. 378. The right hand equation of Eq. F.3 should read

$$= -\frac{\ddot{a}(t)}{a(t)[H(t)]^2}$$

p. 381. Last line, **p. 382** first line, and Eq. (F.14), instances of Dt should read Δt .